

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A modified glucose dehydrogenase composition comprising water-soluble *Acinetobacter calcoaceticus* pyrroloquinoline quinine glucose dehydrogenase having (PQQ) as a coenzyme, wherein amino acid Thr342 ~~and/or amino acid Asp143~~ or both the amino acid Thr342 and amino acid Asp143 of SEQ ID NO: 1 of the PQQGDH are replaced with other amino acid residues, and wherein said PQQGDH has an inhibition constant (K_i) of 200 mM or more.

2.- 3. (Cancelled)

4. (Previously Presented) The modified glucose dehydrogenase according to claim 1, wherein Thr342 of the amino acid sequence defined in SEQ ID NO: 1 of PQQGDH is replaced with another amino acid.

5. (Previously Presented) The modified glucose dehydrogenase according to claim 1, wherein Thr342 of the amino acid sequence defined in SEQ ID NO: 1 of PQQGDH is replaced with aspartic acid, lysine, isoleucine, or asparagine.

6. - 15. (Cancelled)

16. (Previously Presented) The modified glucose dehydrogenase according to claim 1, wherein the amino acid residue Thr342 of the amino acid sequence defined in SEQ ID NO:1 of PQQGDH is replaced with another amino acid and wherein Asp143 of SEQ ID NO:1 is replaced with glutamic acid.

17. (Previously Presented) The modified glucose dehydrogenase according to claim 1, wherein Thr342 of the amino acid sequence defined in SEQ ID NO:1 of PQQGDH is replaced with aspartic acid, lysine, isoleucine, or asparagine, and wherein Aspl43 of SEQ ID NO:1 is replaced with glutamic acid.

18.- 28. (Cancelled)

29. (Previously Presented) A glucose assay kit comprising the modified glucose dehydrogenase according to claim 1.

30. (Previously Presented) A glucose sensor comprising the modified glucose dehydrogenase according to claim 1.